

Amendment to the Specification

Please replace the paragraphs beginning on page 6, line 20 to page 7, line 23 with the following:

FIG. 1 is a bar graph showing the minimal and optimal culture temperatures for the *Bacillus coagulans* 1% isolate (GBI-1); ATCC-99% isolate (ATCC #31284); the 5937-20⁰C isolate (GBI-20); and the 5937-30⁰C isolate (GBI-30), in either Trypticase Soy Broth (TSA) or Glucose Yeast Extract (GYE) media.

FIG. 2 is a bar graph showing the End-Point Kinetics of the 1% *Bacillus coagulans* strain (GBI-1).

FIG. 3 is a bar graph showing the End-Point Kinetics of the ATCC-99% *Bacillus coagulans* strain (ATCC #31284).

FIG. 4 is a bar graph showing the End-Point Kinetics of the 5937-20⁰C *Bacillus coagulans* strain (GBI-20) and the 5937-30⁰C *Bacillus coagulans* strain (GBI-30) with TSB and GYE media.

FIG. 5 is a bar graph showing the End-Point Kinetics of the 5937-20⁰C *Bacillus coagulans* strain (GBI-20) and the 5937-30⁰C *Bacillus coagulans* strain (GBI-30) with NB and BUGMB media.

FIG. 6 is a diagram showing the results from Alignment with other *Bacillus* species, Neighbor Joining Tree, and Concise Alignment analysis for the *Bacillus coagulans* ATCC-99% isolate (ATCC #31284).

FIG. 7 is a diagram showing the results from Alignment with other *Bacillus* species, Neighbor Joining Tree, and Concise Alignment analysis for the *Bacillus coagulans* 20⁰C isolate (GBI-20).

FIG. 8 is a diagram showing the results from Alignment with other *Bacillus* species, Neighbor Joining Tree, and Concise Alignment analysis for the *Bacillus coagulans* 30⁰C isolate (GBI-30).

FIG. 9 is a bar graph showing the results of the Aminopeptidase profile for the *Bacillus coagulans* ATCC-99% isolate (ATCC#31284).

FIG. 10 is a bar graph showing the results of the Aminopeptidase profile for the *Bacillus coagulans* ATCC-1% isolate (GBI-1).

FIG. 11 is a bar graph showing the results of the Aminopeptidase profile for the *Bacillus coagulans* ATCC-30⁰C isolate (GBI-30).

FIG. 12 is a bar graph showing the results of the Aminopeptidase profile for the *Bacillus coagulans* ATCC-20⁰C isolate (GBI-20).--

In the drawings:

Please replace the pending figures 6-8 with the enclosed replacement figures 6-8 (3 sheets).

Figures 6-8 were amended to add SEQ ID Nos, in compliance with 37 C.F.R. §§1.821-1.825. No new matter has been added.